

ABSTRACT OF THE DISCLOSURE

A waveguide coupling device comprises a waveguide section in which a guided wave may be propagated in at least one waveguide mode and which has two slits in one of its walls. The waveguide mode has a field component parallel to the slotted wall with a nodal plane oriented in the longitudinal direction of the waveguide section, and/or it induces in the walls of the waveguide section a wall current distribution with just such a nodal plane. The slits lie on opposing sides of the nodal plane. One or two antenna sections bridge the first slit or both slits.